EVALUATION OF MADAM MODEL USING KINCAID DATA SET

A. Markoski, G. Kanevce, Lj. Kanevce, G. Trombev
Faculty of Technical Sciences, Ivo Lola Ribar bb, p.fah 99, 7000 Bitola,
FYRepublic of Macedonia

In this paper evaluation of MAcedonian Advanced Dispersion Model (MADAM) is present. In the frame of two research projects this model was developed for regulatory purposes in Republic of Macedonia. The MADAM is characterized by the description of dispersion processes in terms of basic scaling parameters. The sensible heat flux, the Monin-Obukhov length, the surface friction velocity, the mixing height and the convective velocity scale are calculated by the MADAM Meteorological Preprocessor from the standard synoptic surface data. The performances of the model have been tasted against Kincaid experiment data set, using Model Validation Kit.